

# PROCESS FOR PRODUCING DIMETHYL ETHER

## ABSTRACT OF THE DISCLOSURE

A process for producing dimethyl ether, which includes dehydrating methanol in vapor phase in the presence of an activated alumina catalyst having an average pore radius of 2.5 nm to 8.0 nm both inclusive and having a sodium oxide content of 0.07 wt% or less. This invention provides a process for producing DME with an improved conversion ratio using a highly active DME-production catalyst.